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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 59441(11259) |
| INTERNATIONAL APPLICATION NO. PCT/US2004/021637 | INTERNATIONAL FILING DATE 6 July 2004 | U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 107562086 |
| PRIORITY DATE CLAIMED 6 July 2003 | | |
| TITLE OF INVENTION METHODS OF PRODUCING DIFFERENTIATED HEMATOPOIETIC CELLS FOR TREATMENT OF CYTOPENIA | | |
| APPLICANT(S) FOR DO/EO/US Peter J. Quesenberry | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> | | |
| Items 11 to 20 below concern document(s) or information included: | | |
| <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment (10 pages)</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> | | |

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|--|--------------|---|--|--------------------|
| U.S. APPLICATION NO. (if known) (See 37 CFR 1.10) | | INTERNATIONAL APPLICATION NO. PCT/US2004/021637 | ATTORNEY'S DOCKET NUMBER 59441(11259) | |
| <p>20. <input checked="" type="checkbox"/> Other items or information: Figures 1-6 (4 sheets); Copy of Published PCT Application WO 2005/003321 A2; Copies of PCT/RO/101 & Fee sheet, Form PCT/RO/102, Form PCT/RO/105, Form PCT/ISA/202, Form PCT/IB/301, Form PCT/IB/304, Form PCT/IB/308, & Form PCT/IB/311; Copy of Transmittal of PCT Power of Attorney (6 pages); Copy of Transmittal of Recordation Form and Assignment (6 pages); Declaration and Power of Attorney (4 pages); Return Receipt Postcard</p> | | | | |
| The following fees have been submitted | | | CALCULATIONS | PTO USEONLY |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)) \$300 | | | \$ 150.00 | |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 All other situations \$200 | | | \$ 200.00 | |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB \$400 All other situations \$500 | | | \$ 100.00 | |
| TOTAL OF 21, 22 and 23 = | | | \$ 450.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | |
| 22 - 100 = | /50 = | | x \$250.00 | \$ |
| Surcharge of \$130 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | |
| Total claims | 28 - 20 = | 8 | x 25.00 | 200.00 |
| Independent claims | 2 - 3 = | | x | 0.00 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + 360.00 | 360.00 |
| TOTAL OF ABOVE CALCULATIONS = | | | \$ 1,010.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. | | | | |
| | | | SUBTOTAL = | \$ 1,010.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | \$ | |
| | | | TOTAL NATIONAL FEE = | \$ 1,010.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + | | | \$ | |
| | | | TOTAL FEES ENCLOSED = | \$ 1,010.00 |
| | | | Amount to be refunded: | \$ |
| | | | Amount to be charged | \$ |

10/562086
IAP20 Rec'd PCT/PTO 23 DEC 2005

PTO-1390 (Rev. 07-2005)

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NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed an granted to restore the International Application to pending status.

December 23, 2005

SEND ALL CORRESPONDENCE TO:

David G. Conlin
EDWARDS ANGELL PALMER & DODGE LLP
P.O. Box 55874
Boston, Massachusetts 02205
(617) 439-4444

CUSTOMER NUMBER: 21874

Kathryn A. Piffat, Ph.D.

SIGNATURE

Kathryn A. Piffat, Ph.D.

NAME

34,901

REGISTRATION NUMBER

10/26/086
IAP20 Rec'd PCT/PTO 23 DEC 2005

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 59441(11259)

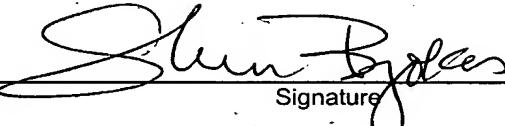
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Fee Transmittal (1 page);
Transmittal Letter to the United States Designated-Elected Office (3 pages);
Specification including claims & abstract (18 pages); Figures 1-6 (4 sheets);
Copy of Published PCT Application No. WO 2005/003321 A2;
Copies of PCT/RO/101 & Fee sheet, Form PCT/RO/102, Form PCT/RO/105, Form PCT/ISA/202,
Form PCT/IB/301,
Form PCT/IB/304, Form PCT/IB/308, & Form PCT/IB/311;
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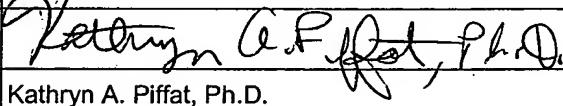
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| | | | |
|--|--|------------------------|---------------------------------|
| | | Application Number | US04/21637 10/1562086 |
| | | Filing Date | July 6, 2004 |
| | | First Named Inventor | Peter J. Quesenberry |
| | | Art Unit | N/A |
| | | Examiner Name | Not Yet Assigned |
| Total Number of Pages in This Submission | | Attorney Docket Number | 59441WO(11259) |

ENCLOSURES (Check all that apply)

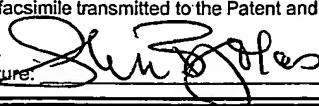
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| Signature |  | | |
| Printed name | Kathryn A. Piffat, Ph.D. | | |
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(Sharon Bizokas)

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DATE: November 4, 2005

PTO IDENTIFIER: Application Number US04/21637
Patent Number

Inventor: Peter J. Quesenberry

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PTO IDENTIFIER: Application Number US04/21637
Patent Number

Inventor: Peter J. Quisenberry

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Application No. (if known): US04/21637

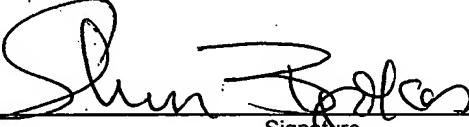
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DATE: November 4, 2005

PTO IDENTIFIER: Application Number US04/21637

Patent Number

Inventor: Peter J. Quesenberry

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Kathryn A. Piffat, Ph.D.

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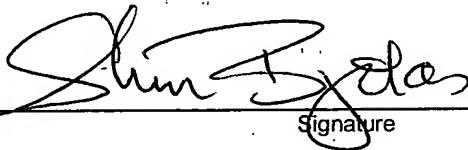
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